



Mod-0036.ST25.txt
SEQUENCE LISTING

<110> Jarrell, et al.

<120> Alien to Mouse cDNA

<130> 2003320-0036

<140> 10/763,039

<141> 2004-01-22

<160> 153

<170> PatentIn version 3.2

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<211> 174

<212> DNA

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<223> Alien to Mouse cDNA

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cgatgtatg cggagatcct cttgtccgag ttaatgccgg tggagactta tatctgttac 480
ttcccgaaacc tcgaagccag atgtccacga aaatccccgt tttcgcgtga tgaatggagc 540
atgataagcg taccttgat caacagtgtg ttccgccttgc gcttctccctg gcttgcctct 600
gggccttga 609

Mod-0036.ST25.txt

<210> 30
<211> 789
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

<400> 30
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agtgaacgac ccctttcat atgggcagcc ggtgcctgc ggcccaagga acctttctg 120
tttcggttgg aaaaaggccg ggggtgtggcc gagctgcgga gaaggctgag atttttacag 180
tgtgaagcta tgtattcgaa atttctgggg atccctgaaa tggatggaaaa ctccaaggcc 240
gtgatcgtca atttttgcac caaaatcgga cgcaggaaat gggagtcgca agcgtcaatg 300
ctccccacagc tgtcaaattt catgacacccg cccagtgaaa gcacgctaaag cagctcagcc 360
actttgagga tgagcctcct gtacttcgtct tctgcacccca ctaacaagac aaaaattaag 420
ggtgtgaatt tctactcgcc tcccaaccac atgcccctta agctgtctaga gtgtttgaga 480
catgtgaacc gcgagtgctt caccaacctg ggataccttc tggcttataat gaattgcagc 540
atggacatcc ttaagggcaa gatttctgac gtgatggac cgcgtgcctc agaagtcaac 600
tcaacagaca gtactatgtg ggtcctgtca acaggagcca cccccaccgt ggttctcatg 660
gaaacaacat gtgccccct gtcttggagc tacctgcctg ctctgtatga tgcaccgcgc 720
ttcacatccg aaacctacat ctcccttgct gaaggctgtt atcgaagcca ggccttcag 780
caaatgtaa 789

<210> 31
<211> 258
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

<400> 31
atgtaccta tggcactgaa tatagagcct gaagatctgg cgggattcag caaactcact 60
atggacctgt attttgcata atatgcagat tccatgtttgg acaagagtc cggcctgatc 120
gaatttctga ccgttggac tccgaagtgt cttctggggc ctcggctgag tggtagcgat 180
gccccatcggg ccagtatcgc tcgggactat cggccatgaa tccaaacaggt gggcttgggt 240
gtcaacttgg tcacatag 258

<210> 32
<211> 264
<212> DNA

Mod-0036.ST25.txt

<213> Artificial

<220>

<223> Alien to Mouse cDNA

<400> 32

atgattcccc	acacaatctc	cgagatcctc	accgaagttc	agcggcagtt	cttctttctg	60
gcctgcaggg	gcttcttcta	tccgcctctc	atgggtggcc	gtgaagcttc	tgaaactcag	120
ggaatggaat	acggcaaggg	gtggaacacc	catgtccagt	gtcgtaagtg	caatgattgt	180
gtgtgtctgt	tgggggaggt	ttatgagaaa	ggcataagat	acagttgcag	tgtgagttac	240
agatccctgg	cctacctgca	atga				264

<210> 33

<211> 210

<212> DNA

<213> Artificial

<220>

<223> Alien to Mouse cDNA

<400> 33

atggAACCTA	tgtctgcatt	accactcgag	agcgcattga	atgacaAAAAA	gttcagtacc	60
aagacgggggt	tgccaagcgg	acttaaattt	ggagaggttg	ctccagcccg	agcccccaat	120
ggcttgtcta	gaaagcttc	caccaggttc	caacagacgg	acgttcgtgg	caaccagcag	180
catggtctta	tcatgatgca	gatttgtga				210

<210> 34

<211> 375

<212> DNA

<213> Artificial

<220>

<223> Alien to Mouse cDNA

<400> 34

atgcacggca	tccactactc	gctccccacc	cagactgctg	acaaaggcctt	aggtgtggc	60
atttcctccc	aaggccagat	tcctcaggca	aatgctggca	acctccctt	cggcatgag	120
ccggatggc	agatgctcag	gatgggttgt	ggagaagacc	agtcccggtt	cacaacattt	180
gtcttgattc	gattctgtgt	aatcttcgtc	ggcaggtgcc	aggatatgta	cctgctcaaa	240
acaacgccac	ctgaactgcg	ccagaatctc	atgtgcctga	agatggagtg	cactagcgct	300
ctcaagctta	aggatgcgca	ggtgcagctt	gacctcacgc	ttcccttttgc	ctacgcccgg	360
acggtgtcgg	cctaa					375

<210> 35

<211> 135

<212> DNA

<213> Artificial

Mod-0036.ST25.txt

<220>

<223> Alien to Mouse cDNA

<400> 35

atgtcaagct tcaactcaca gtacttcttc ttgcactgg aacccacgtg gtggttctct 60
atgggacctg aggacattgt gatgcaccag ctcctctctt ttttcaggct gtgtggagct 120
gccagttacc ggtga 135

<210> 36

<211> 231

<212> DNA

<213> Artificial

<220>

<223> Alien to Mouse cDNA

<400> 36

atgtgccaga gggagagacg attcacatac ccgcagatta gccactgcag ggaattctgc 60
agaggcttca cccaaagtta agaacctgga ggacatgaca cagctgagta caaggatctg 120
gctgaagccc tgccaatgaa gaacttcagc tgtccggtgc tggaggagag tttcctttac 180
gcaagcgaaa tgagagcttt tctcaaggcag caattcgata gttggaggta g 231

<210> 37

<211> 180

<212> DNA

<213> Artificial

<220>

<223> Alien to Mouse cDNA

<400> 37

atgtcctggg tgctcaaaca gtttaaggta atgcgagcca gacctaatt cctgatggca 60
acttcaacac agggggaaatg caccaagaac tggaatgtga ggtggaaaat atgggatctc 120
tcaatgctgc ttgactctca taacacctct tactttaca tttgcgatcc gtagtttag 180

<210> 38

<211> 123

<212> DNA

<213> Artificial

<220>

<223> Alien to Mouse cDNA

<400> 38

atgcatttgtt cccaggtgaa actgttggag cgcttcagta atagcaaaga gacgggtgct 60
gaagatgtgc tagaaaatgc catgccttct gaaatggcct ctacccttgg agaaagcccc 120
tag 123

<210> 39

Mod-0036.ST25.txt

<211> 147

<212> DNA

<213> Artificial

<220>

<223> Alien to Mouse cDNA

<400> 39

atggattcgc ccacgacatt cacaaggatc acaaactgga ttttcctta ttctgtgagg 60
gacgaccacg tgtggctggt atctccattc cagcagttct gcttccctt atcctctgcc 120
gcacctgggc cgctggcatg caattaa 147

<210> 40

<211> 339

<212> DNA

<213> Artificial

<220>

<223> Alien to Mouse cDNA

<400> 40

atgagaaagg atttggagtg ctcctgtcc aaaggcacat cgaatatgct gaagagttt 60
ctgatctgct gggggaaaggc taccctccgc ttctgcgaag aaatgcctct cacccttgag 120
atggttcacc tctacatgga catccctgat gaacgctggc ctccctctaa ccagccattc 180
tttggaaagt tctactcgac tttcttcagc cgccacagcc ctgggccccaa gctccaccgc 240
cctcagggtg caggaaggac acagctgtca gaggtcgtgg gcaacttgcg gtgggatcaa 300
tactgttggg gcaatcctca aacgcgcagg cccagttga 339

<210> 41

<211> 354

<212> DNA

<213> Artificial

<220>

<223> Alien to Mouse cDNA

<400> 41

atgcctcgcc tggccgaca ggaactcgcc cgcgccggag gtgtgccagg aagtgcggat 60
cgaggagaaga aagcgttcag gttggaaagaa gccagatatc ccctgtacat ggagggtctt 120
ggatctgaga cgcaaggggc agcaaaggat caggccccct cgttccggag cccgagaatg 180
gccctgcctt acctaagact ccggccatc aagagagtcc ccatcatctg gcggatagtt 240
tttcagagcc tccaccctgg cgagaagccc agggagacgt atggaaacgc ataccgggga 300
gaagcggcca gggcagagtt caccaagag tctgcaagcc aaagcttcac ttga 354

<210> 42

<211> 267

<212> DNA

<213> Artificial

Mod-0036.ST25.txt

<220>

<223> Alien to Mouse cDNA

<400> 42

atgaccttca tgaacgtatg tatagccggg caagatgcaa cgcagccata ttatagggcc	60
agttacaata gccacagtaa agttcacacc ttggaatgtc gagttgagct caaactcaca	120
gaattaatgc gctgtgcga tagagaaag ggcacccgta ccacgcgtg tcttatcact	180
gccgccttaa ttctgtgtcc ccccacctcc aaagaattcg cgtacaacaa cttgctcatt	240
gcttcccaca ctggggcaa tgattag	267

<210> 43

<211> 210

<212> DNA

<213> Artificial

<220>

<223> Alien to Mouse cDNA

<400> 43

atggcaccgg acaggtccac attctttac ctgtgggatc ctcaggatca ccatcaggac	60
gcctccctta gttctccaat tgccagggtg tcacacccctg cttccgggg ttatgactca	120
gaggacctcg catgcagccc ccccttcag aatgcccagc tttggtgcaa ttcgagaaac	180
tcaactgtaa tgctgtaccc cacactgttag	210

<210> 44

<211> 942

<212> DNA

<213> Artificial

<220>

<223> Alien to Mouse cDNA

<400> 44

atgagcgtga gggAACGTGA ggcttcagac aaatcttct ttttggtctt tgcatTTTT	60
ttacgaagca gtttcatgg gttcatgaga cagtcttgc atagctgtgc gaaagcacgc	120
tgcgcacgt tcaagcccc ggaacgaatg tgtaaccagc ggaccatggt tgccaacgct	180
ccggaaccca ggctgatgac actgggtgtc cgcttggtc gccatggcgg ttgcacaata	240
gtcacttctg accccccgatc cccccagggt gagaaggccc aggatcgcta caacctcatt	300
cgggtgcccc tgtacccggc tgcctacatc ccctgttact acatgaatgt gctatccatc	360
tcaaggaaac ttgagctgct attgagctca atccaggtt aaatgagaca cccagtgagc	420
aacccgggac agttatacta tatctctggt caggtggatc ccggctgtga caggagaatt	480
gccaagtcgc ctcgggatga ccagtcggga tctccccggc agagagatgc acccagctac	540
aaggttcca cgtttaccc ggctagcaga gctaagagta gactaaaacg gacagacccc	600

Mod-0036.ST25.txt
aagaggacct catccagtca ttccacgttg atttgttta tgctaatctt ggacacttcg 660
aagttcatgg tgaagtccag ccggactttc actctccttc ttcaggactt ccattcagtg 720
acacggaatc agagctccag atttcagtccag aggcggaatc aggaaacagc gagatctcct 780
ggagtggcca ctaaggagac gggagcgttg acacagatgt caccctttc tccgcagtac 840
cgcagagtga ctgagtcgtt tttcttagtg cacggttctc tctctccacg tcgggtgcctg 900
gagcccttacc ctttagccca actggaggaa atccagaagt ga 942

<210> 45
<211> 357
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

<400> 45
atgaccttacc tgtggatgaa ggcgatcagc agtcatgcca agctgccggc aaacttcacg 60
atacagtcat tctcccagtg cattcaggaa acaaccgcaa gtcctgatag agaactcctg 120
acgatgctga agcccacaag atctcaagaa gagacggacc tactgaatag actgtggccg 180
gataacctct cttctctgac ggagatgcca atctccgtt gtctgtgcag aagcatccgc 240
ccttacacct cttcagcggc ctccgtgtct aaagagatgt gccagtttg gcaggtggcc 300
tttggcgagg ctggcaagcg tgaggactgt cctcttacc ccaggtcaat cctgtaa 357

<210> 46
<211> 129
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

<400> 46
atgaaatcct gcgtggatga agaatcaagt cattgctatg ggtccgcgcg gtgggaagcg 60
cttaagcaga gcacgggttt ttccgccact cgtgagcgcg agagcggctt caagcaggat 120
gggtcctga 129

<210> 47
<211> 156
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

<400> 47
atgctgctga tgccagagtt gttagaaaca aaggactcaa tggaagccga atccaaattt 60
aagagcatca gcatgcagaa ggctgagttc aaagaggggg gcatttctt aggaaaacgg 120

Mod-0036.ST25.txt

ctcacatcgta acccgaaggt ccctctggaa tcttga 156

<210> 48
<211> 240
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

<400> 48
atgttcgcct tcttagatct gactagttc attctcgccg gccgggcttg gtacactacc 60
tcaccctctc ctgacaccga aatctggcat ttaccgcctt ctggtgctga gctgtgcaaa 120
gcttgccctct tgcgAACCCG caatgcgaca acagactctg agtaccacac tatttccgg 180
aagtacttaa ttgaccccat ctcacagctt tcgctgttta ccttaatgca cctgctctga 240

<210> 49
<211> 138
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

<400> 49
atgatgagca agcatcacac cccaaaccacg gtactctgct gccaaaatga agacctgcag 60
ggaaccccgaa ggctgcgagt gctgaaccca aatcaaaata cctggggcat catcaacttg 120
gcctacagaa gcatgtga 138

<210> 50
<211> 201
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

<400> 50
atgaacgaca tgcgtgcgtc ctttgcgacc aaaacacgta tcaccgagag gggaaataag 60
ttcttctccc agccctcgac caactggaac acgttccagg cagaggagca ctgtcagtcc 120
ctcagagcgc cactccgtac cagcggtatg tatggccctt catgctcagc gtacctctt 180
gatatacttc tgcgtgcgtc a 201

<210> 51
<211> 240
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

Mod-0036.ST25.txt

<400> 51
atgatgacgc ttggtttgt ggaggccaa atccactctt tacctctgac tctgagcgctc 60
ctctgctgtt taaaatgga tcagatggga tccattgagc ctgacagaaaa gaaaacccca 120
gagctcgagc tgatgcccgc actcttggcc ccgagtcgtc agccaaagtt cctgccagcg 180
gcggatcttc tcccagaggg tgctcagacg tctaccctcc tcctgggtca ggcaggttga 240

<210> 52
<211> 123
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

<400> 52
atggaagaga atggcctggc acattcctac actggggtga agttacgggc caatgacact 60
ggctccctgg cgctgcgtaa gcagtcagat gtctgtgtt agtcccagac agcaagtgcg 120
tga 123

<210> 53
<211> 156
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

<400> 53
atgacacctgt tcctttccgg cctgtacccc aagtgggccc tgagccagag ccactatcaa 60
tcctgggagg gacccgacat cgctgaaggg accatcgagg atcacctgga ggcctcaaa 120
ccggtcatga gagccttgat taatggtggg acgtaa 156

<210> 54
<211> 225
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

<400> 54
atgacacagt actggaggat tttgatcgtg ctgcgaattt atctgcccgt ctccctccata 60
cagttctatg gagagagccc ccctcagtgg ttttgcgcctt ccaaacgctg cttaaaaagg 120
tctcggtcga acggactaaa ggcacgatgc aattggccccc ctgttagctc tcgcacccatc 180
atcaagttca agacaatgtc ctatgctctg aagtggacac cctga 225

<210> 55
<211> 882

Mod-0036.ST25.txt

<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

<400> 55
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aatgcaaaga cttagCTgtGA gtgtcccagg ccgaccattA ggaagtatgt caggcagcct 120
tcaatCTtT gttacatgca ctggTgCTgc catcggAAca caggtgagca gactgacagt 180
ggTcttacac ccaggcatga tcggcgtAGC cctgacatgg ctaagggtca gcaatgggt 240
gtcccggcaa tgggcagttc cgggggCCat gagccgaact catctgcata cttatgctcc 300
agaggaatat acttcagaga ccggaatgaa tgtGCCgagg gcctgctcc aacttggccc 360
ctggTgtatg acttcgtatg agaactaaca caacggTTcc cttacaactc ctcgggtcac 420
ggcattgaag acatagaatc cttcaaaaat tggaaacttgt accggacttt cgtcatctcg 480
gagggctata aactactgaa catcaagaga tcaccaaagt ctgagttatg ctcaggacgt 540
atggctttt cttccTCCG gctgtttctg ttccacaaga gacagccccg tggtaaaatg 600
gcaatgcgt atgagggcaa gtggatctt cgtggggaaag gcacagagag tggcgTTgTC 660
cctctcaggG tcggactttc caagagcgca ggcaaaagata ggatgtgtca gacccccatg 720
accttagcaa ccaagggtcg aaataccga ggcctgcagg gctaccgcct catcaagctg 780
aagtgtgctc acctgtgccc gatggatgat caggagaggg cggTCCgggc catggccatc 840
ccattcaatg gcaagggtgg ggtgacactg tctatgctgt aa 882

<210> 56
<211> 264
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

<400> 56
atgaagctt gtcctatgag gtggctaggc ccgaacaAGC caaacaacct ccacCTgtat 60
ttggccCTA tggTcccata ccGCCACGGA ttgaggtgca cattttCAA ggCCGACTTC 120
tgcaggGacc cctgttggac aaatATgtgg ccaatCCTCA ggcgaaatct gattgcgcag 180
gcagggctgt actgtccgtt tcaggTcccA ctcctggaga tgtctgattt ctccgctaAC 240
cgagaagaaa tctgggCTgc ctga 264

<210> 57
<211> 327
<212> DNA
<213> Artificial

Mod-0036.ST25.txt

<220>

<223> Alien to Mouse cDNA

<400> 57

atgccggttg cgcggtatcc cagtacagt ctcaaaactgt ctctgaaatc caaggcctgg 60
gtgttccatc aaaaccctac tggcccttc acgacaaccc ggcccgtcgg ccgcctgcag 120
gggcggcagc agccccccct tggaggtcag aagaagttgg ccgaggagca tcctagacgc 180
tccctggcca aactgaaatc ggctggggcg agcactgggg gacttaatat tggggatgat 240
cggaccttcc cgctgtgcac gtcggcctcg ctcagcagac ccctcaaccc taagagtaaa 300
cagagcaaca ttatttgcac ctcctga 327

<210> 58

<211> 225

<212> DNA

<213> Artificial

<220>

<223> Alien to Mouse cDNA

<400> 58

atgacaggtt tcttttgctc ttatgccact aaagctggaa ctgcaatgtc cttgagattg 60
ccccctgtaa aggccagcaa tgcctgtgac ctgagccctg gaacatgtcc tcaggaccta 120
gatagtgaaa tgcgttgcac ccagtattgg aatgcctgc ggcagattca atgcggttt 180
aaatctattt acatctttgtt caaactaaga cttctgtca gctga 225

<210> 59

<211> 339

<212> DNA

<213> Artificial

<220>

<223> Alien to Mouse cDNA

<400> 59

atgaaataacc ggtgcttggg gcagctcaact gccttttaca ccatggcgga atatttggca 60
ttggcaaaaaa caggattatt tcccaatagg gttttccctc gcaagacaga ggggacttgg 120
gagtccagcc tgcctcagtc cttcgaagat aggggaggct caggacgcct gacctcactg 180
caccagttcc ctgatgtgat ggcggaaagag gaccggaaaa ccgaggactt tgcggtcagc 240
tctctccag agatccagcg cgtctccacg ggccggccag atatgagata tatgcccggaa 300
tacattgata atggccccgg cagcaactgt gtgttttag 339

<210> 60

<211> 321

<212> DNA

<213> Artificial

<220>

Mod-0036.ST25.txt

<223> Alien to Mouse cDNA

<400> 60
atggacggag actcccacta tcgcacaggg gggaccaagc aggataccct ggtccagtc 60
acattgctcc ctgaaattga cttttcggg gggattgctc agaatatgtat gatcatgcga 120
gttgccagaa ccccccatt tggcagaa caccgtcagc ttatgcagga tggagggcca 180
gagcagagaa atatggaggc ccgtAACCA gcccaccggc tcactaaggc gatgtatgt 240
tcatgcaaag cagaagtcaa gggatggtg acgagcctct ctgggtgcc gacctgcggc 300
ctgccatcgaaaaaaggagtga 321

<210> 61
<211> 192
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

<400> 61
atgcagatga ttgtcccaag tggggagaca aagatgtacc ctccgctgga ggccctccag 60
gaggatgact gtatccaggc ccagtggctg cacacaacct cccaaagctt ccatgagtt 120
gtgttaagga atgcagtccg cacaccatca aaggttacca aattcccttg caaaaagttc 180
tgcgtcattt ga 192

<210> 62
<211> 666
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

<400> 62
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tcagatcctg gctattccat ccattttgga tctgaaatgc ttgatgttgc tcattttgt 120
tctggcacag agcaagtcca ctggcgaca ctggatgtg actcgagct cgaaaggaca 180
cttgaggcctc ttgaggagat cactctaagt tgggtgttgt tcctcctcaa gttttttca 240
gaagacatct ggaaacttaa atccaaagaa cgttccggcg atgacatgct tgagaggatc 300
acatcaatgg agctcttgct gccactgaga cggctagaac agctaagctt ctattccttc 360
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tccctgggca gttgccataa gcagcaaaga acctggctgt acaatgcact gatcaagtac 480
ggggcttcga ggagaaggaa ggtccccaaag cggatgccca ttgagagtcc gttcagcctt 540
gatgaggagt gtcttccatt ttcagtaatg cggcaaagg agacacggac aattggcctc 600

Mod-0036.ST25.txt

acacccatca tgcagttcct gacctgttcg cccgtaaaga gtgtggatcc gagccggagg 660
gcatga 666

<210> 63
<211> 1311
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

<400> 63
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acacttgcgg acccgatgtc tgaggagatg tcgtgttgc tcctgggtgg gcgcggtcac 120
gccaaggggcc tctttgacaa aattgtccta atccagaatc ctttcattcct ccacgacttt 180
ttcatgcgtt tcccttctcc ctcccaggta cctctataatc agcgctacaa acaagacctt 240
gataaggacc tttgttccag cctgccttgg tactacaacc cgaagctgctg gcagcgcact 300
tcgcagctca ctttacaagct ccgcacaatc tctgttggcc caagacaaga ccatggcact 360
aagacgtctc tcccaatgtc gactattacc caggtgactg cactgagcga cctgagaatt 420
tttttctctg gatttgggga ggacccccc ctggagccct ttttctcaact cctttcggt 480
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agcaaggcgc atgacaaaga gtgtccatgg cccttcattgt ccaacttccc acatgcccgg 600
gcctgtcggg gttggctgtt ttcgtgttc agaaagacaa gaactttacc ctcattcgac 660
agcgtgaggg agatagtctt agcctcaaag tcctccgata ggtacatgaa gcattcagtg 720
catcgagct gcagttcaac agagggtgcc gaatccaaga cgagcctgga ctgtcttaat 780
tcaatgcaga agaagaagcg tagagatgaa gaattactcc aaacaaatga atttatgatc 840
tcctgtggat ccctggctgt gcaataccga agcatctccg gcataattta tttgctccgg 900
gagcagcatt acatgcacca gacccgcacc agtttcagt ttacccagga ccaatcggtc 960
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cagggcaaac ccattgcaac caacctgttc aagccttcag tgaacttggc agaagagtt 1140
tctgtgaaat acactggagc tttcctgcgc tcagacgccc tgctacagct ggctcaggcc 1200
ggactgtggc cccagaagcc gtacctgatt tggagaatca gggtggaaaa gacccacgaa 1260
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<210> 64
<211> 306
<212> DNA
<213> Artificial

Mod-0036.ST25.txt

<220>
<223> Alien to Mouse cDNA

<400> 64
atgtgtatc catgcctga ctggagaatt gtgataataa cccagttact gaatacgaga 60
tggatcgcag tcagggcact cttcatggca agtggacgca agcctgttc aaaggtgatc
caagcccca ttgcctcaat ggcacagctg ctctatgtgt caaaggccag cacattagta 120
gggtcagtga tggagggaaag cgaggactgc agttgcgagt ttcctgatat gcctggatt
atgggagatg tcccttcccc aatgttcaact cttggcatga tcctgccatt aacttgttt 180
caataa 240
300
306

<210> 65
<211> 264
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

<400> 65
atgctgacac tttgcatgat cctccaggcc ccgacaaaaga gaatgatgga tggatctgaa 60
agtggagtgt tgcagttcct gcggagtcgc tactcagggt acctgggaga tcccatggca
tttctcgagg atgattccag aagtaagccg acggagagaa ccggccttcc tgtggagatc 120
cacatgatgt cgtttctgga ataccatggt gaactggtca acttcttctg gcgcagaagg
cagcttcagg acgaaggact ttaa 180
240
264

<210> 66
<211> 360
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

<400> 66
atgcacaggc cactggggac taacaaggga agtgccccag tggagggta ctctcgtcgg 60
cccaggccaa aaaaagagcc aaattccctc ggccgcattt tctgcattccg ctcagcttcg
aacaccaatg agcttacac ctttagatcct gaagactaca tgaaagcaga cgggagagta 120
actgtggtcc cgggaagccc agcaggcctg acatccagaa gttacttaga agcgccccca
ggggAACAAA cacgggagcg gcccttaggc attttggtcc cttatatgcg agccccgaag 180
aaatactctg actacctgat gacattctgc acgcgtaaac cttccataa gtccccatga 240
300
360

<210> 67
<211> 285
<212> DNA

Mod-0036.ST25.txt

<213> Artificial

<220>

<223> Alien to Mouse cDNA

<400> 67

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tcgcagatca	atgacctctc	ttgcaccacg	tcaccagcca	cgatggcag	gtgcataacc	120
tggggccca	cgaggacaac	tttctgctc	tttcgggaga	ctgatgtcag	ccacctgtgt	180
ttgatcaa	acgtgagctt	cttcagtcag	atcctgcagt	acaaggagct	catgtcgaac	240
atatcg	gacggacg	atacatcaga	agctaccatc	tctaa		285

<210> 68

<211> 663

<212> DNA

<213> Artificial

<220>

<223> Alien to Mouse cDNA

<400> 68

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ctccagcagt	cccctagtct	tctgagtctg	ggctcaattt	ccaatacgg	gatcatacga	120
acggaccggg	ccccacagga	gcgaacgtcc	tgccataat	gtgacctt	caagagtgcc	180
ggcacccccc	tgctggat	gcgagatccg	catgtgtcag	cgaggagg	gactccctcg	240
aacctgatga	tctgcaagac	tccaccctct	ggtttctgcc	tgtctcactc	ggactgctct	300
ggagaaa	agatggctct	gagaatgtca	gccagcaata	tcttcagg	tcggaaaacc	360
ccggccctctc	tttgccagtc	gacagctacc	tgcattctct	ggtactccac	ctcaaccgt	420
gctgactata	ttcggcagtt	ttacctgtgc	acccgagcga	atggcgagc	tccccggcag	480
aactgcattt	gcatgggcat	actgtcattt	tattctccgg	tccagatcga	ctcccctccg	540
ccccagtgcc	caacacccct	gttgagcctg	gtcggccggg	tgacgagg	gtcacagcag	600
gttgggtgc	aacgagccct	aatgctgggt	acgagcaccc	ctctgctcaa	ccggcgaag	660
taa						663

<210> 69

<211> 120

<212> DNA

<213> Artificial

<220>

<223> Alien to Mouse cDNA

<400> 69

atgcggattt	atgaagggac	ccaggaggag	tgtgagctct	gcgccttggg	cacgaagagc	60
ccagccatca	tttcgcctcg	acagtacaga	attcgaactg	tgggtttcat	gctcagctga	120

Mod-0036.ST25.txt

<210> 70
<211> 249
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

<400> 70
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cacctgccaa ccatgcctct ggccctgtag tactctggca cgtttaggga aagctcttgg 120
cgaacatctc cacatgcgtat tgatccaggc tggcagagcc aggtgtgtga gcagcatgat 180
aaccgcttga acagggagtc aatcgctcag gtcgcttatac agagagggat ctggatgagc 240
aagaactga 249

<210> 71
<211> 438
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

<400> 71
atgtacatgc cgatttacga gccaagatg gagatgtccg gtcagccag aatcgaaaag 60
gccccatcggtt atggcaagtt agcgacccag ctctttccg aatatttac cgagaaggag 120
ctagacctgg ttgaccatgc tgagtcttac ccaatgatag tggagattt tgggggcacg 180
cccaccaaga attcaataca gacccaggc ggatcgatct acggcctggc tcagagggac 240
atcagctta aattaatgtc catgtccagc agttggaaag atgtggaaag gtatgcagcc 300
ccctttgct taggtctt tccgcaactac gggAACATGG aactacggga acttctgttt 360
tcccacatga aagcgcgcga aaccagaacc acgtcaaccg agtctctgac atccatcaga 420
ctcaggtcag gctgggtga 438

<210> 72
<211> 489
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

<400> 72
atgctgagat acagccggat ggccatcaag caacagctt accaggtggt ttacacacgg 60
tccctttcat tcacggacct ccacttgcag aacaaggcagg caggccctga aaaacatgg 120
aacttcaacc tctggggccg catccggat ctcaggatgc ggtgtatcct gaagttcagc 180

Mod-0036.ST25.txt
tggggaggag aggttttgt tcttcaatca agttgttctt ctgactcttt ctcagtttag 240
attgagttgg cagaggttag attcctatcc taccagaact cacggttgcc agcgccacgc 300
accgactatac tgagtgcgag ccgcacttct aaaacaagct gttctctgcg cgtgttcata 360
ttgggacacc agctaaaactg ccctctgtgc actgctgctt ctttattga agggaaacta 420
tgtagcaacg atactggaga ctacagctgg ccgcaagcgg gcccctgtaa ctggtccgct 480
tatctgtaa 489

<210> 73
<211> 303
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

<400> 73
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gccaccccaa tgctaattctg gttcccttc cagtgccctga tagctaagat gcagttgacc 180
ctggagacct ggtctccctg gattatctgg ctcaatctta agggatggcc ctgcccggatc 240
ctgcccctta tgtacccatc aagaaagtct gcagctgact acactgactc tgtggaaaac 300
tga 303

<210> 74
<211> 141
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

<400> 74
atggggctct ggcggaccct gagggccgat gtcaagaaca gcgatccatc cccttacag 60
aaagggacga aagctaagca ggtggagagc cggaaaatca tggagtacgc gcagacagag 120
gggcacatca cgttggagta g 141

<210> 75
<211> 180
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

<400> 75
atggctcgga acctcctggg aacaggaccc ttttcgcacg aacgcccggaa ccagcaaaac 60
gctgagttgg gaactgagag tattatcctt ctggatggag ataggagaag tgcgcgcaca 120

Mod-0036.ST25.txt

tctggcaaga ggttcaagaa ggtatcttat tacttccagt gtgactgcct gacgctgtag 180

<210> 76
<211> 141
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

<400> 76
atggagcttc cccgctccag taagcctatg acccccgtatc ctgagcgcag cgggatgggg 60
cactggtgga ttatctatac caagcattcc tccagagggt cctctaataat gatctgctgt 120
ggtccagact ctagcaaatg a 141

<210> 77
<211> 123
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

<400> 77
atgctccagg accgctgctt cctcgcaaag tgcctttat ccagcatgtt atgctattac 60
aaaaaaaggct tgagcgaggc ttttggcgaa cccaatgaac agagctgcaa catgcggatg 120
tga 123

<210> 78
<211> 177
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

<400> 78
atggaacaag gacctgccct ggaggaggaa aagtcagctt gccagagcct gacccacg 60
tttctgagtc cctcgagagg caaccagatg cagtggact cccaggttgg aagaaactgg 120
actgtactgg tgccaaagga ttgtgctagt gtgttaaga gttccatgaa cggctga 177

<210> 79
<211> 174
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

<400> 79
atgcagcagc cgttcgccag ttactccacc agtttcaagt caagtgtatct ggcgactaac 60

Mod-0036.ST25.txt

tccagcacgc	agctggtctg	ttctggccat	ccctcgggac	ttcccttcgc	ttcaatgttc	120		
attagggctt	tgtcgccccc	tgcgctgcgt	ggccccccaa	agctcgatc	atag	174		
<210>	80							
<211>	363							
<212>	DNA							
<213>	Artificial							
<220>								
<223>	Alien to Mouse cDNA							
<400>	80	atgctgagcc	ggtttcttaa	ggcctttctg	tttcggtgct	ttcagtgttc	tgagcggaa	60
aagggtggtga	agaagctctc	aaccatccag	attgagaagg	aggagccat	cgccctgtct			120
tgtggtaagg	ccccccattc	tgacctgaac	caagtgctcc	ccatgtttaa	tttcgagttt			180
tttcatgggc	tcaacgtggc	cgagaacctg	gtgtctggaa	ctgcttcgca	ggagaaggga			240
caatgctgct	atggtttcaa	cagcaaaggc	cgctctgtcc	gggcactgga	attcgtgtgt			300
atcaggcct	ttagcaacat	ccaatcgat	gactccagtg	acgccccttt	tggcctggtt			360
tga								363
<210>	81							
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<212>	DNA							
<213>	Artificial							
<220>								
<223>	Alien to Mouse cDNA							
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actcagtgtg	ggcctgctaa	ggccgccaac	aacaaacgct	ttcccgaggaa	tcaggccaga			120
aagcggctgt	attcgccatc	cccacccatc	ctgaacacaa	tgatcctctc	ccctaaaagt			180
tgggtcacgc	tgcacgttgc	gaagaagcag	gcccccacgt	gttggctgct	ctccaccgccc			240
aactttaaaat	tccttccatc	ccagttgcaa	ccggaggcag	atcgaaaactt	ttgttagctct			300
gattaccacc	gcactctccc	ttgtgcgcag	gctatcatca	caaatttggaa	gctgaaaatc			360
tggacctcca	ccaaagcgaa	cagtcccgaa	cctgtggcga	aagccctggaa	gttcaacacg			420
atagtgccat	tgtcaactc	agaggaccgc	tttattgggt	ag				462
<210>	82							
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<212>	DNA							
<213>	Artificial							
<220>								
<223>	Alien to Mouse cDNA							

Mod-0036.ST25.txt

<400> 82
atgtctcca acgacattca ggtgattaca ggcttgcacc aacgcttgcc agtgcttctc 60
aacacccttc gtatgtctga caaggcattc actctttgct gcaagaagac caaccctggc 120
agcctgaaaa tgcagatgcg gaaccgtcac ccggatcttc agaaatag 168

<210> 83
<211> 207
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

<400> 83
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aaatgttaacc attacagaaa cactattctt cagtcctgt ttctcatctt ctggattgaa 120
atttgcagg agcattccct tcattcatca ccgaggcaga ccgcctcctc ccagttctac 180
tcaccgagac tcaactccta cgagtaa 207

<210> 84
<211> 144
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

<400> 84
atggaccgccc cacacatcggt gtccatggcc ttttgaact ggcgttcctc agcggccatc 60
ttgaaggggcc ataaaatccc cctgcccata aagatcctgc gcttcgatcc actctctcaa 120
agtactgaat ttcctcgaaaa gtag 144

<210> 85
<211> 132
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

<400> 85
atgatttttc acctgctgtc ctttgctaca ctcgatgtca ccgtgacgca cacagtggcc 60
actgaaggct cgaatggaaat gctgatcactg ccctctgaag aaatcaccag caccaggccc 120
gtgatattgt ga 132

<210> 86
<211> 192
<212> DNA
<213> Artificial

Mod-0036.ST25.txt

<220>

<223> Alien to Mouse cDNA

<400> 86

atgtgtggca caggggttag tttacccctt cagataaaaac atgaaaacaa ctttttattt 60
cccgactgga caatgctaaa caagccgaa ctgtacattt gcgggattga ggagaactac 120
tgccagtaca agggtcccat ctggatcttc agggtggacc cgcaagtca aaggccagcgt 180
ctgaagttat ga 192

<210> 87

<211> 492

<212> DNA

<213> Artificial

<220>

<223> Alien to Mouse cDNA

<400> 87

atgatgtttt aggcctgctg cccactcgcg gattcgcagg ggaagagcaa gtccaagggt 60
ctgaggaagg gagaatctac cccgcttggaa ggggggcgga agttcctgat gctgtctacc 120
agcctcagca tctactcggt tattaacatg ggcccccattt cccttaacgc acacattgat 180
gataacacac tccatcagac attcatgtcg cgctcagtgc ttgagcggct agttggaacc 240
tctcaaaagt tcgatacaca ccctcatatg tgtgctgcag atgctcagta cacaaagtct 300
agacgggtgtg agcaggcctt ttgggcaccc ttgtgcctg cgcttgcgtt ctccatccctc 360
tctcaagaaa tgggcgacac ccccaagaaa aaccgggtgtc tgaagggtcc ccagtgcctc 420
aagcgctgtt gtcaagagtc ctgcctctt ggtggcttttga taatcttga caatccagtc 480
tgctacttat ga 492

<210> 88

<211> 222

<212> DNA

<213> Artificial

<220>

<223> Alien to Mouse cDNA

<400> 88

atgaatgcag aggacatgct gggaaacac tgcgttatg cttttgcac agtccctatc 60
ccgaagggag ctgtgaactt gaaaaccgag tttgagagtg gctgtgcgaa gtctgccaac 120
ggcaactccc gcaaagacag ttttcaggt ccatgcccta agatgaggca gaagtgggac 180
tggggacccc gagaaggagt ggctcggaca ggagaattct ag 222

<210> 89

<211> 150

<212> DNA

<213> Artificial

Mod-0036.ST25.txt

<220>

<223> Alien to Mouse cDNA

<400> 89

atgagagtga	gggcacggct	gtcaatcccc	ttcaccacga	gatccatggc	ccttgctac	60
cggaagtccg	gggacaccgg	tttttgtgtg	cagaaggagc	cccaggatcg	gtacacggga	120
aggaaatgtc	aacccgtact	gatgacctga				150

<210> 90

<211> 297

<212> DNA

<213> Artificial

<220>

<223> Alien to Mouse cDNA

<400> 90

atggagaagc	tgtcctggcg	tgctggcctc	ctccactctc	aggatggaat	aaccagggcc	60
gcctacccgg	gaaaagagca	gtcttcccg	ggccgcaatg	cgaccctttg	gacagctcag	120
cctgactccc	gggcggcctc	ttactccag	ctctctgtcc	agaagtatcg	aacaacagcg	180
atgtccctgc	ctgtgtccat	gtctagtaat	ctggtctcca	tggagcagcg	gttccggcac	240
aagctcatcc	agtggcggtt	gtgtctgaga	atgtctagtc	taaccattat	gtcatag	297

<210> 91

<211> 129

<212> DNA

<213> Artificial

<220>

<223> Alien to Mouse cDNA

<400> 91

atgtcttga	cagatttct	ttctttctgt	gttctgagag	taatggccaa	acatctcaca	60
gactataggg	cctcagctca	gcttgggtgc	tgtgaacagc	aggcttctgc	atcccgaccg	120
gaggaatga						129

<210> 92

<211> 123

<212> DNA

<213> Artificial

<220>

<223> Alien to Mouse cDNA

<400> 92

atgacggcct	tggggcgtgc	aagttatagc	cgttctgttg	tctatgatgg	ccatccgtct	60
gcgccagagg	gtggggccaa	gcgtggcaag	caggtgaagc	catggttcaa	gcaattggaa	120
tga						123

Mod-0036.ST25.txt

<210> 93
<211> 435
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

<400> 93
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tgccgtcagg ccgagagctc cacttcatat ttttacccat tctcaatgac cagaagcacc 180
atgaccatcc cagaccaaac caaaacctgc caggcgtgtt ctgtgacccg gttccctcc 240
cgggaggaaa agaccaagaa cctgatgaca ttctgttaca agatgcacatc gcagatggc 300
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gagtttgagc tggtaatgg gccacccccc tgtggctcg ggattcagtt gaactgctgt 420
tcccccagtg cctga 435

<210> 94
<211> 198
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

<400> 94
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agccaccagg caatcgccac ggcgtcccg gagctcatgc taaccttggc cccctcgcc 180
aaaggaccgg ggtattga 198

<210> 95
<211> 726
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

<400> 95
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ctgatcaagt accgccccac cacttgcccc tacatagcca tggatgctcg cgacctttg 180
cgacacattc ggagccccga atggaaaccc tactgctact gtctgacagc tatctcaagc 240
tcaaagaact atcttctgct gtccgtcagg gcccctccat tctcgcaaaa gaaacgactt 300

Mod-0036.ST25.txt

cccggtggagt	gggtccttca	gtgtacccccc	atctgcaagg	ccttcaagg	gtcaacttca	360
tacaagctga	acatgttctc	ctcttgcgcg	cacactagcg	ctttgacttc	aagggattgc	420
aaaaagtcaa	tcatgaggcg	caaccattgc	tacttttac	ctttcctgga	tggagcagga	480
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ctgcagcccc	gtttggtcgg	gacgtcaatg	gtggattatg	tgccgctgca	actattctgg	660
gagcaagttc	cgctcctcaa	gtgttctctt	aacccaataa	gcttgaaagc	cgcagggacg	720
cagtga						726

<210> 96
<211> 158
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

<400> 96	atgtctttag	acttacggtg	gcttcaccgt	ggggccacaa	tcacagccga	aatcatctta	60
	tcttgtaagc	tcccaaaagt	gagaatggat	ttctgctggg	tgaagcagtc	catggaggcc	120
	atggtggcca	tgaaggacca	gaaagacgcc	ttttgctg			158

<210> 97
<211> 318
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

<400> 97	atgaccagaa	gctggccct	ggtgccaccc	cacctgttgg	ttggagccga	aacaacccct	60
	gtgacttcat	atgggtacaa	agcgaagagc	aacatacgt	ttgtgttctc	tgaggcttt	120
	gaggctcaac	agaggcacga	aagccgtca	accaaccatg	cctggccca	gccagcaggt	180
	cgaccggtcc	atctcattaa	ggggcaggag	aatcttaggg	aaaatttaga	tccgagctgt	240
	cccaaaccaa	agggagcgg	ccggagtctc	acaaaggatg	gaacaatgaa	gcaacgatac	300
	gacttctacc	tgccgtaa					318

<210> 98
<211> 732
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

Mod-0036.ST25.txt

<400> 98
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ctcagcagtg tgctgtcttc ccaagatggg cgccccctcaa acttcatcac gcgcctgaca 120
aatgcgagtg acaagtggac taacaagacg aagtccatga aggacagcta tcagggttg 180
tgggagttgc ctgggatcct ggagctgaga gcacctgaca tggagctgga acttctgacg 240
aatggaaag ccctgatggc gatccgcattg atcaacatga agaattcccc gcaggatgcc 300
aaagaggcct cgtctgcgtat catggccaaa gttcccagtt tagttgtgcc atgctccggc 360
tactttgcct ggcggcagaa gggcttgag cgcaactttg atctgaaagg ccaaagtgtc 420
aaatacagaa aaaatacagg tcctggcctg tctccacctc aggtgaggac ctcctatcag 480
gaaaacctgg ggacacccct tctgcccacca attcagatga tgagctacct agtgatttcg 540
gacctcccccc ggaggtctaa acgtgattgc aggcgggccc gtggagtc tt tgcccccacgc 600
gagggactag ccaaagaaca gggcaaaagc aagctccgcg cagcttacat tcacaacaag 660
ggtttcgagg gcctgactcg tgaacaagtc caggggtatg ctgagagctg tgacgttctg 720
ccacagcagt ag 732

<210> 99
<211> 132
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

<400> 99
atgggcacaa agcccttctc actcaaggga aagagctaca agcagcctaa cctgaaaaatg 60
ccccccctcg tgcctccctt aaacagattc ttgtgtcagg gtgctgcagt tgcagagcgg 120
aaaatgcgtt aa 132

<210> 100
<211> 441
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

<400> 100
atgaatgggc tcctgcacac gacatataag gagaagacgt cgtatccgcg tgaggtgttt 60
gggcatacgatg cagaatatttc ccgcctgtgt cctctgcctt ccagttccat ggcaaccccg 120
ccaaatgcgtg tgaatatgggt gatccccctc aaaagacgtg cgctgacgaa cacctatggg 180
tctgcttcga ttcgtcagat gacgcccatt tacaacccta ccgtctctgc ctgggtttac 240
tcgagccaag aggcaactcaa gtgtcggttac ctgggcttcc ggcggagaat tgaaatgccc 300

Mod-0036.ST25.txt

ttttgttta gtggtgcgcc caacagatcc tacaactttt ctgctaagga acgcttgggt 360
cacgcacctg cctgtatccg atggcacaga tatttatgga tgaacttgga catgaaaatg 420
ttgactgccc ttcgcacatctg a 441

<210> 101
<211> 70
<212> DNA
<213> Artificial

<220>
<223> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 101
aaccaatcccc atcccaggtg tgcggcgaat cggtcgatct agtcctaatt agccggatag 60
gaaaacctca 70

<210> 102
<211> 70
<212> DNA
<213> Artificial

<220>
<223> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 102
aagaaccac gccgtctaca tatcgggcac gtgctataac gactcaggag tatttaacga 60
ccgcacggaa 70

<210> 103
<211> 70
<212> DNA
<213> Artificial

<220>
<223> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 103
acaggtgtcc tcaaaccagc ctgaaacgtt actaggtgaa gaatcaccgc ggttgtcggt 60
agttaagcga 70

<210> 104
<211> 70
<212> DNA
<213> Artificial

<220>
<223> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 104

Mod-0036.ST25.txt

acccgcgtac acagtaggc	ctctacggcg	cgttagcgt	taatcacca	tttgcaata	60	
gtcaccagag					70	
<210> 105						
<211> 70						
<212> DNA						
<213> Artificial						
<220>	oligonucleotides identified according to the present invention as					
<223>	alien to mouse cDNA and useful for hybridization applications.					
<400> 105						
acggactacc	tcggccactt	cattggcga	cctgcggata	ttgcttacga	atctcgatct	60
tccggattat						70
<210> 106						
<211> 70						
<212> DNA						
<213> Artificial						
<220>	oligonucleotides identified according to the present invention as					
<223>	alien to mouse cDNA and useful for hybridization applications.					
<400> 106						
agaagtctgt	tgatcgaggt	agcactggga	tttacgaaaa	ttgccttacc	ggtatacgct	60
aggccatacc						70
<210> 107						
<211> 70						
<212> DNA						
<213> Artificial						
<220>	oligonucleotides identified according to the present invention as					
<223>	alien to mouse cDNA and useful for hybridization applications.					
<400> 107						
agcccacata	tagcccacgc	gggtgtcgac	aacatatgtc	gtatgcgagt	aacgtttcg	60
tttgagatgg						70
<210> 108						
<211> 70						
<212> DNA						
<213> Artificial						
<220>	oligonucleotides identified according to the present invention as					
<223>	alien to mouse cDNA and useful for hybridization applications.					
<400> 108						
atactacttt	tgggtatgct	agctacgtag	tacccttcaa	tagccgtcgc	ttggtctctt	60
gcgcgtcacg						70

Mod-0036.ST25.txt

<210> 109

<211> 70

<212> DNA

<213> Artificial

<220>

<223> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 109

catctatcta tgtaagttac cggcatgggt tatggattcg tggaccgcga tgtgacgtag 60

gggtttccac

70

<210> 110

<211> 70

<212> DNA

<213> Artificial

<220>

<223> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 110

cattttaccg ttaccggaa gcgtgtgtgt ctttatttgc gcgtacccag tgttgagaac 60

gacggaacag

70

<210> 111

<211> 70

<212> DNA

<213> Artificial

<220>

<223> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 111

ccatccgggc cataagttt tagtagcgat tgtttgccc ctaccagcga atcgcgccca 60

gttagtaatc

70

<210> 112

<211> 70

<212> DNA

<213> Artificial

<220>

<223> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 112

cccgagctt cgctagtacg attatgtacc gctatgtcaa tttgacgccc tcgcactgct 60

gcactttatt

70

<210> 113

Mod-0036.ST25.txt

<211> 70
<212> DNA
<213> Artificial

<220>
<223> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 113
ccggctcggt gtcaccgcgg aagtacctt gagtatcgca cttatcggt ttaacctgga 60
cgtaactaaa 70

<210> 114
<211> 70
<212> DNA
<213> Artificial

<220>
<223> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 114
ccttggatgg gtaaattccc tcgtctacgc gtaacaactg aacgcgtacg gcgacggct 60
cagggaaattt 70

<210> 115
<211> 70
<212> DNA
<213> Artificial

<220>
<223> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 115
cctttccgtg ttactcggcc ggcaaggacg cctcgtacca tctttgatag atgtattgc 60
gtaaattcgg 70

<210> 116
<211> 70
<212> DNA
<213> Artificial

<220>
<223> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 116
cgcgaccccg actggtagtt gcgcgtcgc attaccgagt tcacatcgca tgtactacat 60
tagagaaaata 70

<210> 117
<211> 70
<212> DNA
<213> Artificial

Mod-0036.ST25.txt

<220>
<223> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 117
cggccacaac tctcaggacg catataagac gcggaaaggc atacacgtct acttagagac 60
accgagactt 70

<210> 118
<211> 70
<212> DNA
<213> Artificial

<220>
<223> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 118
ctgcttaacc gttccagagg ggcgttcgta tcaaaaaggg tgcgatttcg atcacgtcgc 60
agtgactcat 70

<210> 119
<211> 70
<212> DNA
<213> Artificial

<220>
<223> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 119
gaatggcata accggcgctg tacatagtct tctcgcttac ataatagcgc tagttgatag 60
gaaccagggg 70

<210> 120
<211> 70
<212> DNA
<213> Artificial

<220>
<223> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 120
gagctgcaca cccgcagaca tcatagttag tgtaatcagc cacgtgacca gttaaccat 60
ttcgtggaga 70

<210> 121
<211> 70
<212> DNA
<213> Artificial

<220>
<223> Oligonucleotides identified according to the present invention as

Mod-0036.ST25.txt

alien to mouse cDNA and useful for hybridization applications.

<400> 121
gatggattca cgaacgagca cttagtaacg cctggtactg acatcttatt gcacgtatg 60
gagagcctgg 70

<210> 122
<211> 70
<212> DNA
<213> Artificial

<220>
<223> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 122
gcaacgacca gctacctgtt aaccgtatat cagagtcgaa tgctcgcggt actgttcgaa 60
gtactcatcg 70

<210> 123
<211> 70
<212> DNA
<213> Artificial

<220>
<223> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 123
gcagaattcc taaccatgca agcgtggcga ctcgtctctc gcaaagttct atacgaatca 60
gcgatgggta 70

<210> 124
<211> 70
<212> DNA
<213> Artificial

<220>
<223> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 124
gccctctcgt cccacgttcg ctcgtcttgt tgacactact gacgggtatc cctctaaata 60
cttctctttt 70

<210> 125
<211> 70
<212> DNA
<213> Artificial

<220>
<223> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 125

Mod-0036.ST25.txt

gcctcttcga	tgggtccgt	ctggtcagta	ccgacgaaaa	tgcgacggta	gatgtcagaa	60
ttgattctgt						70
<210>	126					
<211>	70					
<212>	DNA					
<213>	Artificial					
<220>						
<223>	Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.					
<400>	126					
gcgggctctt	gtgcaaactt	atggggctag	tgactcgggt	gtagcacgtt	ttgcgaagac	60
taagacagta						70
<210>	127					
<211>	70					
<212>	DNA					
<213>	Artificial					
<220>						
<223>	Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.					
<400>	127					
gcgtctatga	caggtcgggc	acttaggcgg	cgacgcttga	tgttgagtc	gcagatatta	60
gtttataagg						70
<210>	128					
<211>	70					
<212>	DNA					
<213>	Artificial					
<220>						
<223>	Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.					
<400>	128					
gctatctaac	gcggtcttgc	caatactacg	aatggttgct	acaggatatc	gagtaccgca	60
aaatgggggc						70
<210>	129					
<211>	70					
<212>	DNA					
<213>	Artificial					
<220>						
<223>	Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.					
<400>	129					
ggggcaact	ctccaaccga	gcgtaatcc	agcgattatt	atcctactcc	atactattag	60
cgggtatacg						70

Mod-0036.ST25.txt

<210> 130

<211> 70

<212> DNA

<213> Artificial

<220>

<223> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 130

ggtagaattc tccattgca tggacaaata tagtccacgc attggacgca cccaccgatg 60

gctctccat

70

<210> 131

<211> 70

<212> DNA

<213> Artificial

<220>

<223> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 131

ggtcgtaccc aacctgacac gagatgtcgg cgctcgttc gattggacga tcggatata 60

gatcaagcaa

70

<210> 132

<211> 70

<212> DNA

<213> Artificial

<220>

<223> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 132

ggttgttcca tgtactcgat actacctagg catcaggtgt atacgccgtt ttggatgggc 60

gttcggcaaa

70

<210> 133

<211> 70

<212> DNA

<213> Artificial

<220>

<223> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 133

gtgccacccc aattagtctt ttgtccgggc caagagtacg acaacgggtt attttggtag 60

tatatcccac

70

<210> 134

Mod-0036.ST25.txt

<211> 70
<212> DNA
<213> Artificial

<220>
<223> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 134
gttaagggtc tcgaaagatt tctactctcg acgtaccgtt ggcagcgcac taagaacggg 60
taatgtgctg 70

<210> 135
<211> 70
<212> DNA
<213> Artificial

<220>
<223> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 135
gttaggcact tgcgcgtcaa gcgcgcaaac cctaattacg ttctgtccac gcgctaggga 60
tattcgata 70

<210> 136
<211> 70
<212> DNA
<213> Artificial

<220>
<223> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 136
taagatgcct gacgaaaaag tcccgtgtac ccacaacgga aagcgtgatc tagatagttc 60
ccttagcgcc 70

<210> 137
<211> 70
<212> DNA
<213> Artificial

<220>
<223> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 137
taatttggg ttgtcgaggg ataaaactggt atgctcgctc cgctcgacga gcggttgaac 60
gcctatcgct 70

<210> 138
<211> 70
<212> DNA
<213> Artificial

Mod-0036.ST25.txt

<220>
<223> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 138
tattggccgc ggcgctaact tatatcgaga gatgtctagt ttccccaccc gttacatatt 60
ctacggggag 70

<210> 139
<211> 70
<212> DNA
<213> Artificial

<220>
<223> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 139
tattttccgg tactgagtgg aacgacatga agttggcggt caggtcgtta tttcgcagcc 60
acgcaccact 70

<210> 140
<211> 70
<212> DNA
<213> Artificial

<220>
<223> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 140
tcagatgtcg ttattaacgg gaaggatcc ggttcactat cacggcgatt acttcgcgtt 60
gcgaaaaggc 70

<210> 141
<211> 70
<212> DNA
<213> Artificial

<220>
<223> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 141
tccggctccg cagacggttt aactcgaacc ttaaaagtgc tgtgaagcta cttcgagacc 60
atgcgtctt 70

<210> 142
<211> 70
<212> DNA
<213> Artificial

<220>
<223> Oligonucleotides identified according to the present invention as
Page 45

alien to mouse cDNA and useful for hybridization applications.

<400> 142
tctgttaccc acattgtcac cacttgacag ggcacggc gttttaaag cgactagcta 60
cgcaggata 70

<210> 143
<211> 70
<212> DNA
<213> Artificial

<220>
<223> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 143
tggagatgcg aacgttggga gtatcaatcc ccggtgcaac cccctaattcc gacatgccc 60
aagtatata 70

<210> 144
<211> 70
<212> DNA
<213> Artificial

<220>
<223> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 144
tgggcgccta gagccagcat attacaggcg agctgtttc gcgtctctaa tgacgtgtac 60
gcgattctat 70

<210> 145
<211> 70
<212> DNA
<213> Artificial

<220>
<223> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 145
tgttagacagg gcgcgattgt atggacagt ttacgcacta accgactcta caatgttagt 60
tttgcgggc 70

<210> 146
<211> 70
<212> DNA
<213> Artificial

<220>
<223> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 146

Mod-0036.ST25.txt

ttccgcatga gatcaacgcg tggtaataac gtgttaaaa ccggtcgacg ccagctagac 60
ctaatgcgtt 70

<210> 147
<211> 70
<212> DNA
<213> Artificial

<220>
<223> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 147
tttcgactgg gggtaaaaaa ctccctattt gccgttcacg aagctacata ctggtctagc 60
gcgtgcacaa 70

<210> 148
<211> 318
<212> DNA
<213> Artificial

<220>
<223> alien oligonucleotides

<400> 148
ttctaatacg actcactata gggccatccg ggccatacgt ttatagtagc gattgtttgc 60
ccctaccagg aatcgccccc agttagtaat ctaatttgg gttgtcgagg cataaactgg 120
tatgctcgac tcgctcgacg agcggttgc gcctatcgct gtgccacccc aatttgcctt 180
ttgtccgggc caagagtacg acaacggggt attttggtag tataatcccac gcgggctctt 240
gtgcaaattt tggggctggt tactcggtg tagcacgtt tgcaagact acgacagtaa 300
aaaaaaaaaaaa aaaaaaaaaa 318

<210> 149
<211> 321
<212> DNA
<213> Artificial

<220>
<223> alien oligonucleotides

<400> 149
ttctaatacg actcactata gggcatctat ctatgtcagt taccggcatg ggttatggat 60
tcgtggaccg cgatgtgacg ttggggtttc cactcagatg tcgttattat cggttggat 120
tccgggtcac tatcacggcg attacttcgc gttgcgaagg gctaattttgggttgcg 180
gcataaactg gtatgctcgat ctcgctcgac gagcggttgc acgcctatcg cttccgcatt 240
cgatcaacgc gtggtaataa cgtgtttaga accggtcgac gccagcttga cctactgcgt 300
taaaaaaaaaaaaaaaa a 321

Mod-0036.ST25.txt

<210> 150
<211> 323
<212> DNA
<213> Artificial

<220>
<223> alien oligonucleotides

<400> 150
ttctaatacg actcactata gggccctctc gtcccacgtt cgctcgtctt gttgacacta 60
ctgacgggta tccctctaaa tacttctctt ttgttaaggg tctcgaaaga tttctactct 120
cgacgtacgt tggcagcgca ctaagaacgg gtaatgtgct gtatcccgtactgagtg 180
gaacgacatg aagttggcgg tcaggtcggtt atttcgacgc cacgcaccac tcggccacaa 240
ctctcaggac gcataatataa gacgcggaaa ggcatacacg tctacttaga gacaccgaga 300
cttaaaaaaaaaaaaaaaa aaa 323

<210> 151
<211> 47
<212> DNA
<213> Artificial

<220>
<223> forward primer

<400> 151
ttctaatacg actcactata gggcatctat ctatgtcagt taccggc 47

<210> 152
<211> 48
<212> DNA
<213> Artificial

<220>
<223> reverse primer

<400> 152
ttttttttttttttttttttttctata actgaggtga tttccgac 48

<210> 153
<211> 70
<212> DNA
<213> Artificial

<220>
<223> alien oligonucleotide

<400> 153
ggtagcaatc tcccatggca tggacaaata tagtccacgc attggacgca cccaccgatg 60
gctctccaat 70